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Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

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THOMAS HOLT
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PATENT AND TRADEMARK DEPT
554 MORRIS AVENUE
SUMMIT NJ 07901-1027

1752/0828

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/025,158	02/14/00	012	PENG, F	1712 08/28/01
First Named Applicant	HOLT,	35 USC 154(b) term ext. -		0 Days.

TITLE OF INVENTION ORGANIC COMPOUNDS

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
1	01/V-30880/A	528-033,000	126 UTILITY	NO	\$1240.00	11/20/01

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

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- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

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- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

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III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

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Complete and mail this form, together with applicable fees, to: **Box ISSUE FEE**
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001095 IM52/0828
THOMAS HOXIE
NOVARTIS CORPORATION
PATENT AND TRADEMARK DEPT
564 MORRIS AVENUE
SUMMIT NJ 07901-1027

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(Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/525,158	03/14/00	012	PENG, K	1712 08/28/01
First Named Applicant HIRT, 35 USC 154(b) term ext. = 0 Days.				

TITLE OF INVENTION ORGANIC COMPOUNDS

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1	CL/V-30880/A	528-033.000	L26	UTILITY	NO	\$1240.00 11/28/01

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Use of PTO form(s) and Customer Number are recommended, but not required.

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☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47) attached.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the PTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY & STATE OR COUNTRY)

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☐ individual ☐ corporation or other private group entity ☐ government

4a. The following fees are enclosed (make check payable to Commissioner of Patents and Trademarks):

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The COMMISSIONER OF PATENTS AND TRADEMARKS IS requested to apply the Issue Fee to the application identified above.

(Authorized Signature)

(Date)

NOTE: The Issue Fee will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the Patent and Trademark Office.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending on the needs of the individual case. Any comments on the amount of time required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND FEES AND THIS FORM TO: Box Issue Fee, Assistant Commissioner for Patents, Washington D.C. 20231

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Martha Martin

(Depositor's name)

Martha Martin

(Signature)

February 19, 2009

(Date)

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/525,158	03/14/00	012	PENG, K	1712 08/28/01
First Named Applicant	HIRT, 35 USC 154(b) term ext. = 0 Days.			

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1. Jian S. Zhou

2.

3.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
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(A) NAME OF ASSIGNEE

Novartis AG

(B) RESIDENCE: (CITY & STATE OR COUNTRY)

Basel, Switzerland

Please check the appropriate assignee category indicated below (will not be printed on the patent)

☐ individual

☒ corporation or other private group entity

☐ government

4a. The following fees are enclosed (make check payable to Commissioner of Patents and Trademarks):

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The COMMISSIONER OF PATENTS AND TRADEMARKS IS requested to apply the Issue Fee to the application identified above.

(Authorized Signature)

Jian S. Zhou

(Date)

Feb. 19/2008

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11/14/2008 00000009 09525158
01 FC:1501
1440.00 DA

Notice of Allowability

Application No.

09/525,158

Examiner

Kuo-Liang Peng

Applicant(s)

HIRT ET AL.

Art Unit

1712

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/13/01 Amendment.
2. ☒ The allowed claim(s) is/are 1-12.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.
5. ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____. |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____. | 6 <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

Art Unit: 1712

DETAILED ACTION

1. Applicants' amendment filed on July 13, 2001 was received. Claims 1, 7 and 9-11 are amended. Claims 13-17 are deleted.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

3. Authorization for this examiner's amendment was given in a telephone interview with Mr. Jian Zhou on August 21, 2001.

The application has been amended as follows:

In page 1 of the specification, under "Organic compounds", start a new paragraph

-- This is an application based on provisional application Serial No. 60/183,047, filed March 14, 2000. --

In Claim 7, replace "polypyrridine" (third line from bottom), with -- polypyridinium segment --.

Allowable Subject Matter

4. Claims 1-12 are allowed.

Art Unit: 1712

5. The following is an examiner's statement of reasons for allowance:

The present claims are allowable over the closest references: Meijs (US 5,981,615).

Meijs discloses a macromonomer of formula (VI)(col. 6, lines 49-54) that corresponding to Formula (1) with A being Formula (2) wherein $x = 0$, $s_2 = 0$, $p = 1$, $q = 1$, $t = 0$, Q is

$\text{CH}_2=\text{C}(\text{CH}_3)\text{C}(\text{O})\text{OC}_2\text{H}_4-$, L_1 is $-\text{NHC}(\text{O})\text{O}-$, L_2 is

$-\text{O}(\text{O})\text{C}-\text{NH}-\text{R}-\text{NHC}(\text{O})\text{O}-$ (R is the trimethylhexamethylene component of

trimethylhexamethylene diisocyanate), B is $-\text{PEG}-\text{CH}_3$, A is PDMS. The sum of s_1+s_2 is about

19 to 43 because the molecular weight of the PDMS is 800 to 3000 and the formula weight of

dimethylsiloxo repeating unit is 74. However, Meijs does not read on Applicants' amphiphilic

block copolymer set forth in the amended Claim 1 wherein, if t is 0, p and q are independently an

integer from 2 to 20.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kuo-Liang Peng whose telephone number is (703) 306-5550.

The examiner can normally be reached on Monday-Friday from 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Dawson, can be reached on (703) 308-2340. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9310.

Application/Control Number: 09/525,158

Page 4

Art Unit: 1712

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

Kuo-Liang Peng

August 22, 2001

A handwritten signature in black ink, appearing to read "Robert A. Dawson". The signature is fluid and cursive, with a large initial "R" and a stylized "D".

Robert Dawson
Supervisory Patent Examiner
Technology Center 1700